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Light Intensity.— Professor Wiesner[1] now gives a detailed account of his measurements of light intensities, made chiefly in the Yellowstone Park, and reaches the conclusion that, with a clear sky, the intensity of the total daylight as well as that of the direct sunlight increases with the elevation above sea level, while the intensity of the diffused light decreases with increasing elevation but constant altitude of the sun. He further finds that the diffused light, in the course of the day, does not increase correspondingly to the increase of direct sunlight.

The greater intensity of the total daylight on the surface of the sea as compared to that on the main land, Professor Wiesner ascribes to the greater amount of light reflected by water surfaces.

H. Hus

Bilancioni's Dictionary.[2]— A capital model of a modern botanical dictionary is afforded by a little book recently published in the Italian language. Histology, anatomy, morphology, physiology, and the biology of plants are indicated among the topics treated, and 111 pages are given to a biographic account of distinguished botanists. The treatment of the several entries ranges from a mere indication of equivalence in the case of synonymous words to four pages (including a classification) for fruit, two and a half for germ-plasma, three and a half for protoplasm, eleven for tissues, etc. Plant names do not appear; but common Latin adjectival forms on which specific names have frequently been framed, are defined, and throughout the derivation of terms is given.

W. T.

Notes.— A little pamphlet of 109 pages, by Professor Bessey, has been issued by the University Publishing Company, of Lincoln, Nebraska, under the title *Elementary Botany*. Laboratory and field instructions are followed by a terse manual of the common genera of Nebraska plants.

One of the most attractive of recent elementary text-books is Miss

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[1] Wiesner, J. "Beiträge zur Kenntnis des photochemischen Klimas des Yellowstone-Gebietes und einiger anderer Gegenden Nord Amerikas." *Denkschr. d. math. naturw. Kl., kaiserl. Akad. d. Wissensch., Wien,* vol. 80, 1906.

[2] Bilancioni, G. *Dizionario di botanica generale.* Milano, Hoepli, 1906. 16mo, xxi + 926 pp. 10 lire.